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32X Hardware Manual Supplement 1

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32X Hardware Manual Supplement 1 (June 30, 1994)

Pg. 87 Communication

1. About the 32X System Register

The 23X system regions can create a mistible in residing if semislaneously performing read and write from the 6600 and 512. However, every fire the commensuration and 71M regions, stock there is many regions that can not access these looks and 71M regions. Stock there is many regions that can not access these looks are the read and with the commensuration of the read of the commensuration of the commensuration of the commensuration of the read and with the destination of that correct data is always read within the convention.

Development bounds until the Tanget van 11, and the van Dade enterposes bound remails whence, would standistancely would and you from both characters but not the version of development boards and denotes some for. This is because the design that engestally allowed must need write the development be the Canadaman call the to the chops one. As a result, be even to the end development board and development or sometime even by the perspon contently openeding.

On the following page is an exagence of a communication register in which read and write not frequently done at the anti-time. A problem, who are not containneous read/write are system registers that can surfagly read and write from other reposite directions, and set necessarily the communication registers. The XIX has a worst communication registers which are able to injective in the paid worst urises, however, when accounty the latter address places are the filtering position.

- 1) The store address gain or read simulationary from both SHZ and 66002.
 2) When writing the layer address percultures say from texts SHZ and 60000, one of the value in whitein, and which one can say by previous store in controlled by simulating. If which is not problem in according to these address of the chief stores. It where the same address in the chief store and the same address.
 3) The same address are same address. The value of the control problem is the same address.
- the orbif-dispetation (supprilatari Feb.).

 9 When it saw linguage variants, on one to one hand, and writing, on the orbity of the state of the same of the same of the orbit6000, the write process will obtained yourse that attained to you can all it not
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Assume that 6000 was communication register A151200 and transports instructions to SEL SIG about reads 6120H and performs various operations from values smaller by commands. There are there types of written values FFFFH, AAAAH, and 5535H 542 necessor commands, clean by writing 6020H when the operation and a, inc the 6000 less

3) Most reading on the smalled by using a class former that has 1 bit in 1 wood each as invitation commenced storage, and cold, and doubt, the in the case only for price of comments can be manifered, 4000H, and of 000H, the in the case only for price of comments can be manifered, and ASSIGHT gross to fig that if every laying powerand with ADSI occurrent or ASSIGHT and ASSIGHT gross to fig that if every laying powerand with ADSI occurrent to ASSIGHT and ASSIGHT gross to fig that if every laying the every storage of a SSIGHT gross to the ASSIGHT and ASSIGHT gross to the price of the ASSIGHT and ASSIGHT gross to the price of the ASSIGHT and ASSIGHT gross to the ASSIGHT and ASSIGHT gross to the price of the ASSIGHT and ASSIGHT gross to the ASSIGHT and ASSIGHT and ASSIGHT gross to the ASSIGHT and ASSIGHT gross to th

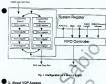
2. About FIFO

De confegeration of IPOs at some \$1.2 misses, \$1.3 misses, \$1.0 misses

The 6500 Dentity weeks in TEE, and \$1,000 to \$40,000 and \$10,000 to \$10,000 and \$10,000 an



sent again as personally mentioned. The operation on the previous page is then repeated ures DMA transfer is done the raunber of tunes that the length is written to A15100H and 68 to SH DREO Length. RIPO Pull occurs when 68000 selects the block that SFC is median or is noting to rough to the service decisions. When all accompany the 60000 side has ended, 665 of bit 2 of ALSOSH automatically becomes 0 and FIFO access of the 68000 side ends. Then 66000 renows anothers written to \$151170 and FIFO DMA transfer requests are sent by DRIQ 0 until all DMA transfer for SH2 have ended. Thus, the communication register abouid he used when SH2 sale request and must be reported from the SH2 side to 68000 sizes it is not known whether or not DNA transfer of the SH2 slife has ended, even if 685 to 0. If 685 becomes 0 while 68000 is transferring, DMA transfer can be forcefully intermented but because the SSI2 side DMA triansfer, during that ture, forces DRBQ I to become L. operation after that is undefined. The value of the country that indicates the water destruction of FIFO excil to also undefined. Thus, only when insteam such as VARISET are reset or when a SH2 safe correction recognished by (ACC) about 1 was use DMA ferced end by writing 0 to 685. On the other hand, when a yestern has liven reset. 685 force-close of the transfer in a should therefore, write a 0 to 680



The 28X VPD is done through the XVIII of cours of the Life gap to me, 10°C days VPD method excess on the 68X Cours (100 mag) to \$4.0000 from 100 million (100 mi

One point of custion is where, in the worst case services, transfer to the VDP becomes detected and MCL 46000, well on the MCP, because scores authoritation is lored in the s6000 risks within the MCP, it is not in writing to the finance table for VDP in the MCP in the Unit mental to the MCP in the MCP in the frame better. Accordingly, when weighting the MCP is it must be done other reading to the times to their CVD organic respective to the MCP in the MCP.

saleste) and all cache data is transferred to the VDP.



CONTINUENTIAL



Fig. 2 mont coupling or sint, secon, to chap and your chap